Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for solving nogood databases within a natural language constraint satisfaction problem, comprising:

generating a representation of possible solutions to the problem comprising a plurality of contexted disjunctions;

conjoining all of the contexted disjunctions by anding the contexted disjunctions together to form a conjunction of contexted disjunctions;

storing the representation as the conjunction of contexted disjunctions; and eliminating nogoods by refining the representation until a result of the conjunction of contexted disjunctions is backtrack-free or the result of the conjunction of contexted disjunctions reduces to false, a nogood being a prepositional variable or a conjunction of prepositional variables whose constraints are unsatisfiable in the context of the problem.

- 2. (Canceled)
- 3. (Currently Amended) The method of-claim 2 claim 1, wherein refining the representation is carried out without reordering the disjunctions.
- 4. (Currently Amended) The method of <u>claim 2 claim 1</u>, wherein refining the representation is carried out without merging the disjunctions.
- 5. (Original) The method of claim 1, further comprising transforming the representation so that the conjunction of contexted disjunctions is backtrack-free.
- 6. (Original) The method of claim 5, wherein transforming the representation is carried out without reordering the disjunctions.

- 7. (Original) The method of claim 5, wherein transforming the representation is carried out without merging the disjunctions.
- 8. (Original) The method of claim 1, further comprising transforming the representation so that choosing any disjunct from each of the disjunctions results in a valid solution.
- 9. (Original) The method of claim 8, wherein transforming the representation is carried out without reordering the disjunctions.
- 10. (Original) The method of claim 8, wherein transforming the representation is carried out without merging the disjunctions.
- 11. (Currently Amended) A system for solving nogood databases within a natural language constraint satisfaction problem, comprising:

a storage device that stores a representation comprising a plurality of contexted disjunctions; and

a processor that:

conjoins all of the contexted disjunctions to form a conjunction of contexted disjunctions and replaces the representation with the conjunction of contexted disjunctions; and

eliminates nogoods by refining the representation until a result of the conjunction of contexted disjunctions is backtrack-free or the result of the conjunction of contexted disjunctions reduces to false, a nogood being a prepositional variable or a conjunction of prepositional variables whose constraints are unsatisfiable in the context of the problem.

12. (Canceled)

- 13. (Original) The system of claim 11, further comprising a processor that transforms the representation so that the conjunction of contexted disjunctions is backtrack-free.
- 14. (Original) The system of claim 11, further comprising a processor that transforms the representation so that choosing any disjunct from each of the disjunctions results in a valid solution.
- 15. (Previously Presented) The method of claim 1, further comprising:
 solving a nogood database using the representations, the nogood database comprising at least one nogood.
- 16. (Previously Presented) The method of claim 1, wherein a nogood is a propositional variable or a conjugaction of propostional variables whose associated constraints are unsatisifable.
- 17. (New) The method of claim 1, the method further comprising:
 outputting the result to a user, the natural language constraint satisfaction problem
 being a natural language parsing constraint satisfaction problem.
- 18. (New) The method of claim 1, the method further comprising:
 outputting the result to a user, the natural language constraint satisfaction problem
 being a natural language translation constraint satisfaction problem.
- 19. (New) A method for solving nogood databases within a natural language constraint satisfaction problem, comprising:

generating a representation comprising a plurality of contexted disjunctions; conjoining all of the contexted disjunctions to form a conjunction of contexted disjunctions;

storing the representation as the conjunction of contexted disjunctions; and

eliminating nogoods by setting a first nogood to be a current nogood and repeating the steps of:

- (a) if there is no current nogood, stopping further execution of the eliminating nogoods step,
 - (b) creating a list of relevant disjunctions,
- (c) setting a current disjunction to a first disjunction in the list of relevant disjunctions,
 - (d) if there is no current disjunction, returning to step (a),
- (e) splitting the current disjunction into two mutually exclusive disjunctions based on the current nogood,
 - (f) pruning the nogood disjuncts from the current nogood,
 - (g) if the current nogood is not empty, going forward to step (i),
 - (h) adding a context of the current nogood to the nogood database, and
- (i) making the next disjunction the current disjunction and returning to step (d),

until a result of the conjunction of contexted disjunctions is backtrack-free or the result of the conjunction of contexted disjunctions reduces to false, a nogood being a prepositional variable or a conjunction of prepositional variables whose constraints are unsatisfiable in the context of the problem.